| 1 | nde | x of | Claims |  |
|---|-----|------|--------|--|
|   |     |      |        |  |

| Application/Control No. |
|-------------------------|

Reexamination

Applicant(s)/Patent under

09/209,125

AIYAR ET AL.

Examiner

Art Unit

Gregory S. Emch

1649

✓ Rejected= Allowed

(Through numeral)
Cancelled

Restricted

Non-Elected
I Interference

A Appeal
O Objected

|          |                  | Щ              | Щ.       |  |              |          | ĺ            |                                     | Щ  |          | _ |
|----------|------------------|----------------|----------|--|--------------|----------|--------------|-------------------------------------|--|----------|---|
| -        | -                |                |          |  |              |          |              |                                     |  |          |   |
| Cla      | ım               | Date           |          |  |              |          |              |                                     |  | l        |   |
| Final    | Original         | 8/21/18        | -        |  |              |          |              |                                     |  |          |   |
|          | 1                | 7              | Г        |  | Г            |          |              |                                     |  |          |   |
|          | 2                | <u> </u>       | $\vdash$ | _  | -            | -        |              | -                                   | -  |          |   |
|          | 1<br>2<br>3<br>4 | Н              | $\vdash$ | _  | -            | _        |              |                                     | -  | $\vdash$ |   |
|          | 3                | ╌              | ┝        |  | $\vdash$     | $\vdash$ |              | -                                   | -  |          |   |
|          |                  | H              | H        |  |              |          |              | -                                   | $\vdash$   | Н        |   |
|          | 5                | <b>M</b>       | <u> </u> | _  | <u> </u>     | <u> </u> |              |                                     | _  |          |   |
|          | 6                | N              | <u> </u> | _  | <u> </u>     | <u> </u> |              | _                                   | _  | Ш        |   |
|          | 7                | ΙV,            | <u> </u> |  |              | L.       |              | L                                   |  |          |   |
| L        | 8                | V,             |          |  |              |          |              | L                                   |  |          |   |
|          | 9                | V.             | <u> </u> |  |              |          |              | $oxed{oxed}$                        |  |          |   |
|          | 10               | W              |          |  |              |          |              | _                                   |  | Ш        |   |
|          | 11               | Ш              | <u> </u> |  | L.           | L_       | L_           | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | $\perp$  | Ш        |   |
|          | 12               | Ш              |          |  |              | L        |              | $oxed{oxed}$                        | $ldsymbol{ld}}}}}}$ | Ш        |   |
|          | 13               | Ш              |          |  |              | L        | <u></u>      | <u> </u>                            | <u> </u>   | Ш        |   |
|          | 13<br>14<br>15   | Ш              |          |  |              |          |              | _                                   |  |          |   |
|          | 15               | Ш              |          |  |              |          |              |                                     |  |          |   |
|          | 16<br>17         | П              |          |  |              |          |              |                                     | ــــــــــــــــــــــــــــــــــــــ   |          |   |
|          | 17               | П              |          |  |              |          |              |                                     |  |          |   |
|          | 18               | П              | Г        |  |              |          |              |                                     | Г  |          |   |
|          | 19               | П              | i        |  |              |          |              |                                     |  |          |   |
|          | 20               | П              |          |  |              |          |              |                                     |  |          | ١ |
|          | 21               | П              |          |  |              |          |              |                                     |  |          |   |
|          | 21<br>22<br>23   | $\sqcap$       |          |  |              |          |              |                                     |  |          |   |
|          | 23               | Ħ              |          |  |              |          |              |                                     | _  |          |   |
|          | 24               | Ħ              |          |  |              |          |              |                                     |  |          |   |
|          | 24<br>25<br>26   | Ħ              |          |  | _            |          |              |                                     |  |          |   |
|          | 26               | Ħ              |          |  | $\vdash$     |          |              | _                                   | _  |          |   |
|          | 27               | Ħ              |          |  | _            |          | _            | _                                   | -  |          |   |
|          | 27<br>28<br>29   | Ħ              |          |  |              |          | -            |                                     |  | П        |   |
|          | 29               | H              |          |  |              |          | $\vdash$     | ┢                                   | _  |          |   |
|          | 30               | N              |          |  | $\vdash$     |          | _            | ┢                                   | _  |          |   |
|          | 31               | IV.            |          |  |              |          |              |                                     | _  | Н        |   |
| <u> </u> | 32               | <del> </del>   | -        |  | $\vdash$     |          |              |                                     | $\vdash$   | Н        |   |
|          | 33               | $\vdash$       | $\vdash$ |  | $\vdash$     |          |              | $\vdash$                            | _  | $\vdash$ |   |
|          | 34               | ╁              | $\vdash$ |  | H            | H        | <u> </u>     | <del> </del>                        | <del>                                     </del>   | $\vdash$ |   |
| <b>—</b> | 35               | ├─             |          | <del> </del>                                     | $\vdash$     | $\vdash$ |              | $\vdash$                            | $\vdash$   | Н        |   |
|          | 36               | <del> </del>   | $\vdash$ |  | H            | $\vdash$ |              | $\vdash$                            | <del> </del>   | $\vdash$ |   |
| $\vdash$ | 37               | ╁╌             | $\vdash$ | <del>                                     </del> | $\vdash$     | $\vdash$ | -            | -                                   | <del> </del>   | $\vdash$ |   |
|          | 38               | ╁              | -        |  | H            |          | $\vdash$     | $\vdash$                            | $\vdash$   | $\vdash$ |   |
| -        | 39               | ╁╌             | $\vdash$ |  | H            | H        | $\vdash$     | $\vdash$                            | <del>  -</del>   | $\vdash$ |   |
| -        | 40               | $\vdash$       | $\vdash$ | <del>                                     </del> | $\vdash$     | _        | -            | ├─                                  | <del>  -  </del>   | Н        |   |
| _        | 41               | <del>  -</del> | $\vdash$ |  | H            | $\vdash$ | $\vdash$     | $\vdash$                            | $\vdash$   | H        |   |
|          | 42               | $\vdash$       | $\vdash$ | $\vdash$   | $\vdash$     | -        | -            | -                                   | -  | $\vdash$ |   |
| -        | 43               | $\vdash$       | $\vdash$ | <del>                                     </del> | -            | _        | -            | <del>  -  </del>                    | <del>                                     </del>   | Н        | 1 |
|          | 44               | ╁              | -        |  | -            | -        | -            | $\vdash$                            | $\vdash$   | $\vdash$ |   |
| <b></b>  | 45               | ├              | -        |  | $\vdash$     | <u> </u> | $\vdash$     | $\vdash$                            | $\vdash$   | $\vdash$ |   |
| -        | 46               | ╁              | -        | <del> </del>                                     | -            | $\vdash$ | $\vdash$     | $\vdash$                            | $\vdash$   | $\vdash$ |   |
| -        | 47               | $\vdash$       | -        |  | $\vdash$     |          |              | -                                   |  | $\vdash$ |   |
| $\vdash$ | 48               | ├              | -        | -  | ⊢−           | ├—       | <del> </del> | <del> </del>                        | <del>  -  </del>   | $\vdash$ | l |
| $\vdash$ | 48               | ├              | -        |  | <del> </del> |          | -            |                                     | ├—   | $\vdash$ |   |
| <u> </u> | 50               | ├              | -        | ├  |              | -        |              | -                                   | -  | H        | 1 |
|          | 50               |                |          |  | L            |          | 1            | L                                   |  |          | 1 |

| Claim    |          | Date         |              |                   |          |          |          |                |              |               |
|----------|----------|--------------|--------------|-------------------|----------|----------|----------|----------------|--------------|---------------|
| Final    | Original |              |              |                   |          |          |          |                |              |               |
| ш        |          |              |              |                   |          |          |          |                |              |               |
|          | 51       |              |              |                   |          |          |          |                |              |               |
|          | 52       |              |              |                   |          |          |          |                |              |               |
|          | 52<br>53 |              |              |                   |          |          |          |                |              |               |
|          | 54       |              |              |                   |          |          |          |                |              |               |
|          | 55       |              |              |                   |          |          |          |                |              |               |
|          | 56       |              |              |                   |          |          |          |                |              |               |
|          | 57       |              |              |                   |          |          |          |                |              |               |
|          | 58       |              |              |                   |          |          | Г        |                | Г            |               |
|          | 59       |              |              |                   |          |          |          |                |              |               |
|          | 60       |              |              |                   |          |          |          |                |              |               |
|          | 61       |              |              |                   |          |          |          |                |              |               |
|          | 62       |              |              | $ldsymbol{f eta}$ |          |          |          |                |              |               |
|          | 63       | <u> </u>     | <u> </u>     | <u> </u>          | L        | <u> </u> | <u>L</u> |                | L_           |               |
|          | 64       | <u> </u>     | <u> </u>     | <u> </u>          | <u> </u> |          | ļ        |                |              | Щ             |
| <u> </u> | 65       |              | <u> </u>     |                   | <u> </u> | <u> </u> | <u> </u> | $\vdash$       | <u> </u>     | Ш             |
| -        | 66<br>67 | <del> </del> | $\vdash$     | $\vdash$          | H        | $\vdash$ | $\vdash$ | $\vdash$       | $\vdash$     | Н             |
|          | 68       | <u> </u>     | ⊢            |                   |          | ┝        |          | -              |              |               |
| -        | 69       | -            | -            | H                 | H        | -        |          |                | -            | H             |
|          | 70       |              | <del> </del> | -                 | $\vdash$ | $\vdash$ | <u> </u> |                |              |               |
|          | 71       | -            | ╁┈           | 1                 | $\vdash$ | $\vdash$ |          |                | <u> </u>     |               |
|          | 72       |              |              |                   |          |          |          |                |              |               |
|          | 73       |              |              |                   |          |          |          |                |              |               |
|          | 74       |              |              |                   |          |          |          |                | <u> </u>     |               |
|          | 75       |              | <u> </u>     | <u> </u>          | _        | <u> </u> |          |                |              |               |
| <u> </u> | 76<br>77 |              | ├            | ├                 | H        | -        | -        |                | <u> </u>     |               |
|          | 78       | $\vdash$     | $\vdash$     | H                 | $\vdash$ | $\vdash$ | -        |                |              | -             |
| -        | 79       | $\vdash$     | -            | <del> </del>      | -        | -        | $\vdash$ |                |              | H             |
| $\vdash$ | 80       | $\vdash$     | -            | _                 |          | -        | $\vdash$ |                |              | H             |
|          | 81       |              | T            | <del> </del>      |          |          |          |                |              |               |
|          | 82       |              |              |                   |          |          |          |                |              |               |
|          | 83       |              |              |                   |          |          |          |                |              |               |
|          | 84       |              |              | 匚                 |          |          |          |                |              |               |
|          | 85       | <u> </u>     | _            | <u> </u>          | _        | L_       | <u> </u> | <u> </u>       | <u> </u>     | Щ             |
|          | 86       | <u> </u>     | <u> </u>     | _                 | <u> </u> | <u> </u> | <u> </u> |                | <u> </u>     | Щ             |
| ļ        | 87       | <u> </u>     | $\vdash$     | $\vdash$          | $\vdash$ | <u> </u> | <u> </u> | -              | <del> </del> |               |
|          | 88<br>89 | $\vdash$     | $\vdash$     | $\vdash$          | _        | <u> </u> | _        | -              | <del> </del> | -             |
|          | 90       | $\vdash$     | $\vdash$     | $\vdash$          |          | -        | $\vdash$ |                | -            | -             |
|          | 91       | $\vdash$     | $\vdash$     |                   | $\vdash$ | $\vdash$ | $\vdash$ | -              | -            | <del>  </del> |
|          | 92       | $\vdash$     | $\vdash$     | <u> </u>          | $\vdash$ | _        | Т        | 1              |              |               |
|          | 93       |              |              |                   |          |          |          |                |              |               |
|          | 94       |              |              |                   |          |          |          |                |              |               |
|          | 95       |              |              |                   |          | Ĺ        |          |                |              |               |
|          | 96       | L            | L            | <u> </u>          | <u> </u> | _        | _        | <u> </u>       | _            |               |
|          | 97       | _            | <u> </u>     | _                 | <u> </u> | L        | <u> </u> | <u> </u>       | <u> </u>     | <u> </u>      |
|          | 98       | <u> </u>     | L            | -                 | _        | -        | L        | <u> </u>       | <u> </u>     | -             |
| -        | 99       | ⊢            | $\vdash$     | -                 | -        | $\vdash$ | $\vdash$ | <del>  -</del> | -            | -             |
| L        | 1100     | L            | <u> </u>     | Щ                 | <u> </u> | Щ.       | Щ        |                |              | L             |

| Cla   | aim               |  |  |  | -  | Date   | <u> </u>   | _  |  | _                    |
|-------|-------------------|--|--|--|--|--|--|--|--|----------------------|
|       |                   |  |  |  | _  |  |  |  |  |                      |
| Final | Original          |  |  |  |  |  |  |  |  |                      |
|       |                   |  | ļ  |  |  |  |  |  | _  |                      |
|       | 101               |  | -  | _  |  |  |  |  | -  |                      |
|       | 102               | -  | _  | _  |  | _  | _  |  | $\vdash$   |                      |
|       | 103               |  | _  | _  |  | _  |  | _  |  |                      |
|       | 104<br>105        |  |  | _  |  |  |  |  |  |                      |
|       | 105               | _  |  |  |  | _  |  |  | _  |                      |
|       | 106               |  |  |  |  |  |  |  | _  |                      |
|       | 107<br>108        | _  |  | _  |  | <u> </u>   |  |  |  |                      |
|       | 108               | _  |  | _  |  |  |  |  |  |                      |
|       | 109               | <u> </u>   |  | _  |  |  |  |  |  |                      |
|       | 110<br>111        | -  | -  | <u> </u>   |  | -  |  |  |  | $\vdash$             |
|       | 117               | <u> </u>   | <u> </u>   | <b> </b>   |  | -  | $\vdash$   |  | <u> </u>   | Ш                    |
|       | 112               |  |  | -  | _  | $\vdash$   | _  |  | <u> </u>   | Ш                    |
|       | 112<br>113<br>114 | <u> </u>   | _  | <u> </u>   | <u> </u>   | <u> </u>   |  |  | L  | Н                    |
|       | 114               | <u> </u>   | <u> </u>   | -  | <u> </u>   |  | -  | _  | -  | Н                    |
|       | 115<br>116        | <u> </u>   | <u> </u>   | <u> </u>   | <u> </u>   | <del> </del>                                     |  |  | -  | Н                    |
|       | 116               | ļ  | _  | <u> </u>   | _  | _  | $\vdash$   | _  | <u> </u>   | $\vdash$             |
|       | 117               | _  | $\vdash$   | $\vdash$   | _  | _  | -  |  |  | $\vdash \vdash$      |
|       | 118<br>119        | <u> </u>   | $\vdash$   | <u> </u>   | <u> </u>   |  |  | -  | $\vdash$   | $\sqcup$             |
|       | 119               | ļ  | _  | <u> </u>   |  |  |  |  |  |                      |
|       | 120               | <u> </u>   | _  | <u> </u>   |  | <u> </u>   |  |  | <u> </u>   | Ш                    |
|       | 121<br>122        | <u> </u>   | _  | <u> </u>   | <u> </u>   | <u> </u>   |  |  | <u> </u>   | Ш                    |
|       | 122               |  | <u> </u>   | <u> </u>   | _  | <u> </u>   |  | <u> </u>   | <u> </u>   |                      |
|       | 123<br>124        | <u> </u>   | <u> </u>   | L  | _  | _  |  | <u> </u>   |  |                      |
|       | 124               | <u> </u>   | <u> </u>   | $\vdash$   |  | <u> </u>   | _  |  | -  | Н                    |
|       | 125               |  | -  | H  |  | ┢  | H  | _  | ⊢  | -                    |
|       | 126<br>127<br>128 | $\vdash$   | _  | $\vdash$   |  |  | <u> </u>   | _  |  | Н                    |
|       | 127               | $\vdash$   | -  | ⊢  | L  | -  |  | -  | -  | Н                    |
|       | 120               | <u> </u>   |  |  | -  | _  |  | _  | $\vdash$   | Н                    |
|       | 129<br>130        | <del> </del>                                     | -  | -  | -  | -  |  |  | ┝  | Н                    |
|       | 130               | <u> </u>   | <u> </u>   |  | -  |  |  | _  | <u> </u>   | Н                    |
|       | 131<br>132        | $\vdash$   | ⊢  | -  | ⊢  | ├  | -  |  | <del> </del>                                     | Н                    |
|       | 133               | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   |  |  | <u> </u>   | $\vdash$   | Н                    |
|       | 124               | $\vdash$   | $\vdash$   | $\vdash$   | <u> </u>   |  | -  | $\vdash$   | $\vdash$   | Н                    |
|       | 134<br>135        | $\vdash$   | $\vdash$   | $\vdash$   |  | $\vdash$   | $\vdash$   | <del> </del>                                     |  | $\vdash\vdash\vdash$ |
|       | 136               | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   |  |  | -  |  | Н                    |
|       | 137               | $\vdash$   | $\vdash$   | $\vdash$   | -  |  |  | Ь  | $\vdash$   | Н                    |
|       | 137<br>138        | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | -  | <del> </del>                                     | $\vdash \vdash$      |
|       | 139               | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | -  | <del> </del>                                     |  | Н                    |
|       | 140               | -  | $\vdash$   | $\vdash$   | $\vdash$   | -  | -  |  | <del> </del> —                                   | $\vdash$             |
|       | 141               | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   |  |  | <del> </del>                                     | <del>                                     </del> | $\vdash \vdash$      |
|       | 142               | -  | $\vdash$   | ┢  | ├─   | -  | $\vdash$   |  | $\vdash$   | $\vdash$             |
| -     | 143               |  | $\vdash$   | $\vdash$   | $\vdash$   |  | $\vdash$   | ├─   | _  | H                    |
|       | 144               |  | $\vdash$   | <del>                                     </del> | $\vdash$   | <del>                                     </del> | <del>                                     </del> |  | _  | H                    |
|       | 145               | <del> </del>                                     |  | -  | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | Н                    |
|       | 146               | $\vdash$   | -  | _  | ┢  | -  | ├  |  |  | H                    |
|       | 147               | $\vdash$   | $\vdash$   |  |  | $\vdash$   | $\vdash$   |  | $\vdash$   | Н                    |
|       | 148               | <del>                                     </del> | $\vdash$   |  |  |  | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$             |
|       | 149               |  | <del>                                     </del> | <u> </u>   | $\vdash$   |  | $\vdash$   | $\vdash$   | $\vdash$   | Н                    |
|       | 150               | <del>                                     </del> | ļ  |  | <del> </del>                                     | $\vdash$   | $\vdash$   | -  | $\vdash$   | $\vdash$             |
| l     | , ,50             | L  |  |  | ١  |  | <b>'</b>   | <u> </u>   | ·  |                      |
|       |                   |  |  |  |  |  |  |  |  |                      |